

Appln. No. Serial No. 09/707,599  
Amdt. Dated 4/19/06  
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### REMARKS

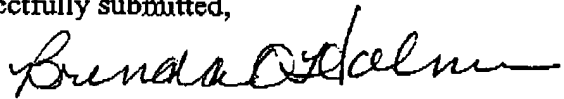
Upon entry of the foregoing amendments, Claims 5, 11, 15-19 are pending in this application. The Examiner rejected Claims 1-4, 10, 12, 14 and 18-20 under 35 U.S.C. 112, second paragraph, rejected Claims 6-8 under 35 U.S.C. 102(b), rejected Claims 1-4, 10, 12-14 and 20-21 under 35 U.S.C. 103(a), and indicated that Claims 5, 11 and 15-19 would be allowable if rewritten to overcome the rejections under 35 U.S.C. 112, second paragraph, and to include all of the limitations of the base claim and any intervening claims. In the foregoing amendment, Claims 1-4, 6-10, 12-14 and 20-21 have been cancelled and Claims 5, 11 and 15 and 17 have been amended to include all of the limitations of the base claim and any intervening claims and to clarify the invention. In particular, Claims 5 and 15-19 include the subject matter of cancelled Claim 4 and Claim 11 includes the subject matter of cancelled Claim 10. The term "the cell value" in line 13 of Claim 4 has been amended to "a corresponding one of the cell values" and "the repressed activity levels" in line 13 of Claim 4 has been amended to "repressed calculated activity levels". The term "other ones of the stored patterns" in line 10 of Claim 4 has been amended to "the stored patterns other than the converted pattern". Claim 11 has been similarly amended to clarify the invention. Claims 18 and 19 have been amended to provide proper antecedent bases for the term "the cell". Accordingly, Claims 5, 11, 15-19 should now be in condition for allowance.

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**CONCLUSION**

The foregoing is submitted as a complete response to the Office Action identified above. This application should now be in condition for allowance, and the Applicants solicit a notice to that effect. If there are any issues that can be addressed via telephone, the Examiner is asked to contact the undersigned at 404.685.6799.

Respectfully submitted,



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